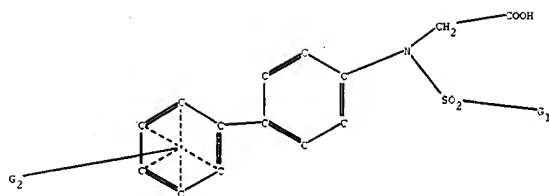


(Untitled)

Formula Ia
10/561055



chain nodes :

13 14 15 16 18 19 21 22 23 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

5-8 11-13 13-14 13-15 14-18 15-16 21-22 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

11-13 13-14 14-18 21-22

exact bonds :

5-8 13-15 15-16 23-24

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,A

G2:C,Cl,Br,F,I,B,CF3,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,PhO,CN,NO2,X,[*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom
13:CLASS14:CLASS15:CLASS16:CLASS18:CLASS19:CLASS20:Atom 21:CLASS22:CLASS23:CLASS
24:CLASS

10/561055 MMP Inhibitors - structure Formula Ia and USPGPub Search

STN
ml
4/9/07

=>

Uploading C:\Program Files\Stnexp\Queries\2007 cases\10561055\Formula Ia.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 18:37:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 18:37:19 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> fil hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.55

172.76

FILE 'HCAPLUS' ENTERED AT 18:37:33 ON 09 APR 2007

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FILE COVERS 1907 - 9 Apr 2007 VOL 146 ISS 16

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

FILE LAST UPDATED: 8 Apr 2007 (20070408/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 0 L3

=> e US20060142385/pn,prn,an

E1	1	US2006142383/PN
E2	1	US2006142384/PN
E3	1	--> US2006142385/PN
E4	0	US2006142385/PRN
E5	0	US2006142385/AN
E6	1	US2006142386/PN
E7	1	US2006142387/PN
E8	1	US2006142388/PN
E9	1	US2006142389/PN
E10	1	US2006142390/PN
E11	1	US2006142391/PN
E12	1	US2006142392/PN

=> s e3

L5 1 US2006142385/PN

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.20

177.96

FILE 'REGISTRY' ENTERED AT 18:38:31 ON 09 APR 2007

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STRUCTURE FILE UPDATES: 8 APR 2007 HIGHEST RN 929518-97-8

DICTIONARY FILE UPDATES: 8 APR 2007 HIGHEST RN 929518-97-8

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d his

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

(FILE 'HOME' ENTERED AT 18:36:02 ON 09 APR 2007)

FILE 'REGISTRY' ENTERED AT 18:36:34 ON 09 APR 2007

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 0 S L1 SSS FUL

USPGPub Search

FILE 'HCAPLUS' ENTERED AT 18:37:33 ON 09 APR 2007

L4 0 S L3
E US20060142385/PN,PRN,AN
L5 1 S E3

FILE 'REGISTRY' ENTERED AT 18:38:31 ON 09 APR 2007

=> d 15

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:1154657 HCAPLUS

DN 142:56659

TI Preparation of N-arylglycine derivatives and related compounds as
inhibitors of matrix metalloproteinase

IN Holmes, Ian; Watson, Stephen Paul

PA Glaxo Group Limited, UK

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004113279	A1	20041229	WO 2004-EP6553	20040616
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1636174	A1	20060322	EP 2004-740011	20040616
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
	JP 2007506664	T	20070322	JP 2006-515980	20040616
	US 2006142385	A1	20060629	US 2005-561055	20051216 <--
PRAI	GB 2003-14488	A	20030620		
	WO 2004-EP6553	W	20040616		

OS MARPAT 142:56659

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file hcaplus

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.25	184.44

FILE 'HCAPLUS' ENTERED AT 18:41:41 ON 09 APR 2007
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FILE COVERS 1907 - 9 Apr 2007 VOL 146 ISS 16
FILE LAST UPDATED: 8 Apr 2007 (20070408/ED)

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=> e US2006-142385/apps

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E2	1	US2006-134249/AP	
E3	0	--> US2006-142385/AP	
E4	0	US2006-142385/PRN	
E5	1	US2006-187833P/PRN	
E6	1	US2006-194875/AP	
E7	1	US2006-203859/AP	
E8	1	US2006-208563/PRN	
E9	1	US2006-217396/AP	
E10	1	US2006-235763/AP	
E11	1	US2006-242576/AP	
E12	1	US2006-246663/AP	

=> e US20060142385/pn,prn,an

E1	1	US2006142383/PN
E2	1	US2006142384/PN
E3	1	--> US2006142385/PN
E4	0	US2006142385/PRN
E5	0	US2006142385/AN
E6	1	US2006142386/PN
E7	1	US2006142387/PN
E8	1	US2006142388/PN
E9	1	US2006142389/PN
E10	1	US2006142390/PN
E11	1	US2006142391/PN
E12	1	US2006142392/PN

=> s e3

L6	1	US2006142385/PN
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10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

=> d scan

L6 1 ANSWERS HCAPLUS COPYRIGHT 2007 ACS on STN
IC ICM C07C311-08
ICS A61K031-198; A61P037-00; A61P029-00
CC 34-2 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 7, 25
TI Preparation of N-arylglycine derivatives and related compounds as
inhibitors of matrix metalloproteinase
ST arylglycine methylsulfonyl prepn inhibitor matrix metalloproteinase;
glycine arylmethylsulfonyl prepn inhibitor matrix metalloproteinase
IT Anti-inflammatory agents
Autoimmune disease
Inflammation
(preparation of N-arylglycine derivs. and related compds. as inhibitors of
matrix metalloproteinase)
IT 141907-41-7P, Matrix metalloproteinase 808748-23-4P 808748-25-6P
808748-27-8P 808748-28-9P 808748-30-3P 808748-32-5P 808748-34-7P
808748-36-9P 808748-38-1P 808748-40-5P 808748-42-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of N-arylglycine derivs. and related compds. as inhibitors of
matrix metalloproteinase)
IT 100-02-7, 4-Nitrophenol, reactions 106-40-1, 4-Bromoaniline 107-82-4,
1-Bromo-3-methylbutane 5292-43-3, tert-Butyl bromoacetate 126747-14-6,
4 Cyanophenylboronic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-arylglycine derivs. and related compds. as inhibitors of
matrix metalloproteinase)
IT 5198-05-0P 7244-79-3P 425423-24-1P 808748-44-9P 808748-46-1P
808748-51-8P 808748-53-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of N-arylglycine derivs. and related compds. as inhibitors of
matrix metalloproteinase)

ALL ANSWERS HAVE BEEN SCANNED

=> sel rn 16
E1 THROUGH E24 ASSIGNED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.88	192.32

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 18:43:16 ON 09 APR 2007
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STRUCTURE FILE UPDATES: 8 APR 2007 HIGHEST RN 929518-97-8
DICTIONARY FILE UPDATES: 8 APR 2007 HIGHEST RN 929518-97-8

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

> s e1-e24

1 100-02-7/BI
 (100-02-7/RN)
1 106-40-1/BI
 (106-40-1/RN)
1 107-82-4/BI
 (107-82-4/RN)
1 126747-14-6/BI
 (126747-14-6/RN)
1 141907-41-7/BI
 (141907-41-7/RN)
1 425423-24-1/BI
 (425423-24-1/RN)
1 5198-05-0/BI
 (5198-05-0/RN)
1 5292-43-3/BI
 (5292-43-3/RN)
1 7244-79-3/BI
 (7244-79-3/RN)
1 808748-23-4/BI
 (808748-23-4/RN)
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1 808748-27-8/BI
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1 808748-28-9/BI
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1 808748-30-3/BI
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1 808748-32-5/BI
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1 808748-34-7/BI
 (808748-34-7/RN)
1 808748-36-9/BI
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1 808748-42-7/BI
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1 808748-44-9/BI
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1 808748-46-1/BI
 (808748-46-1/RN)

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

USPG Pub Reg# Search file 4/9/07

L7

1 808748-51-8/BI
(808748-51-8/RN)
1 808748-53-0/BI
(808748-53-0/RN)
24 (100-02-7/BI OR 106-40-1/BI OR 107-82-4/BI OR 126747-14-6/BI OR
141907-41-7/BI OR 425423-24-1/BI OR 5198-05-0/BI OR 5292-43-3/BI
OR 7244-79-3/BI OR 808748-23-4/BI OR 808748-25-6/BI OR 808748-27
-8/BI OR 808748-28-9/BI OR 808748-30-3/BI OR 808748-32-5/BI OR
808748-34-7/BI OR 808748-36-9/BI OR 808748-38-1/BI OR 808748-40-5
/BI OR 808748-42-7/BI OR 808748-44-9/BI OR 808748-46-1/BI OR
808748-51-8/BI OR 808748-53-0/BI)

=> d l7 1-24 hitstr

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):ide

L7 ANSWER 1 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN

RN 808748-53-0 REGISTRY

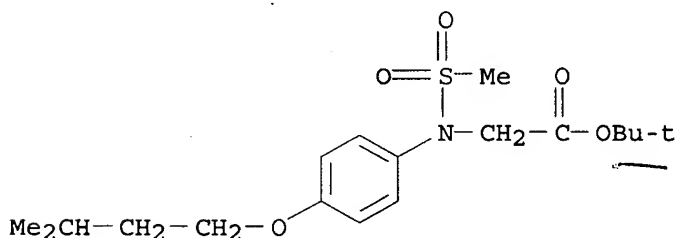
ED Entered STN: 06 Jan 2005

CN Glycine, N-[4-(3-methylbutoxy)phenyl]-N-(methylsulfonyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

MF C18 H29 N O5 S

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN

RN 808748-51-8 REGISTRY

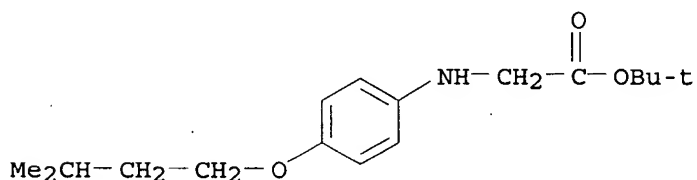
ED Entered STN: 06 Jan 2005

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MF C17 H27 N O3

SR CA

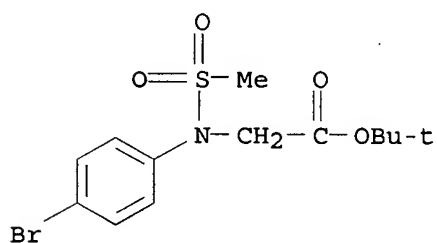
LC STN Files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 3 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-46-1 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4-bromophenyl)-N-(methylsulfonyl)-, 1,1-dimethylethyl ester
(9CI) (CA INDEX NAME)
MF C13 H18 Br N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

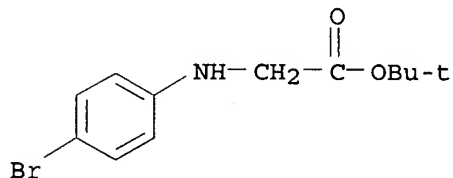


X

****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-44-9 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4-bromophenyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
MF C12 H16 Br N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



X

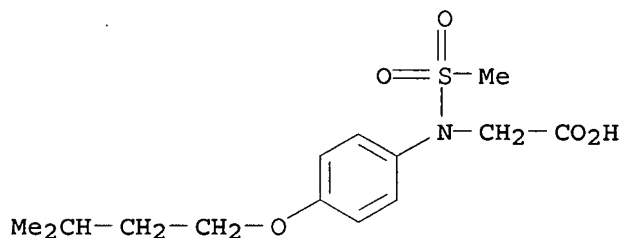
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 5 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN

10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

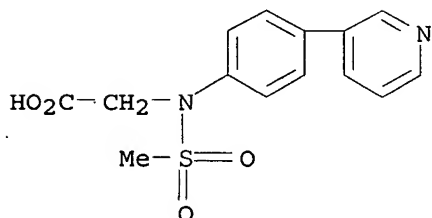
RN 808748-42-7 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-[4-(3-methylbutoxy)phenyl]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C14 H21 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

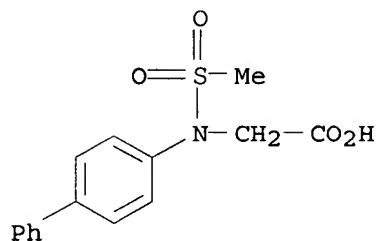
L7 ANSWER 6 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-40-5 REGISTRY
ED Entered STN: 06 Jan 2005
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MF C14 H14 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

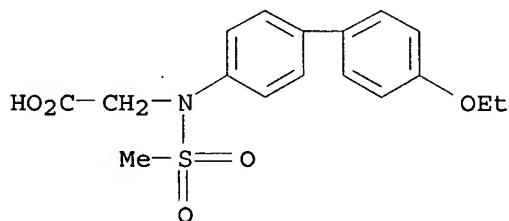
L7 ANSWER 7 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-38-1 REGISTRY
ED Entered STN: 06 Jan 2005
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SR CA
LC STN Files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

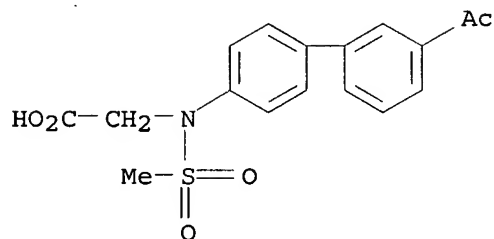
L7 ANSWER 8 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-36-9 REGISTRY
ED Entered STN: 06 Jan 2005
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MF C17 H19 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

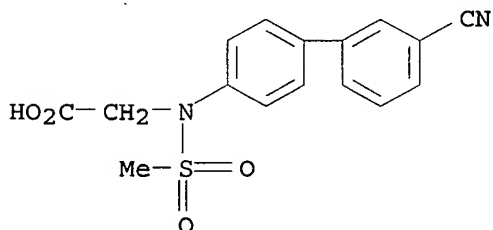
L7 ANSWER 9 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-34-7 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(3'-acetyl[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C17 H17 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

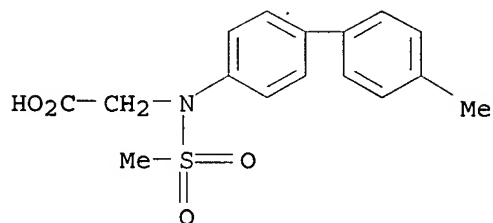
L7 ANSWER 10 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-32-5 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(3'-cyano[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C16 H14 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



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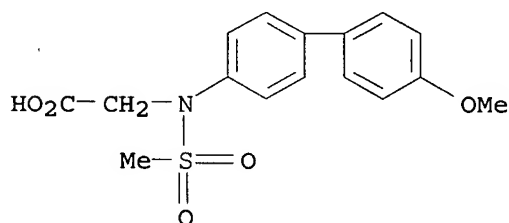
L7 ANSWER 11 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-30-3 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4'-methyl[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C16 H17 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

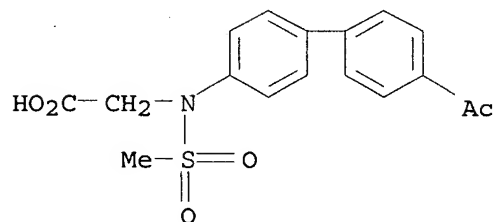
L7 ANSWER 12 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-28-9 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4'-methoxy[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C16 H17 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

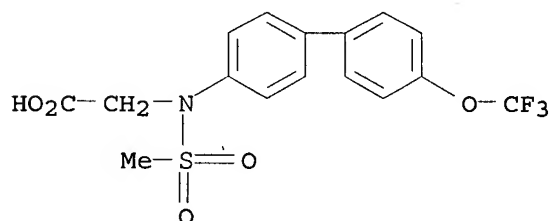
L7 ANSWER 13 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-27-8 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4'-acetyl[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)
MF C17 H17 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

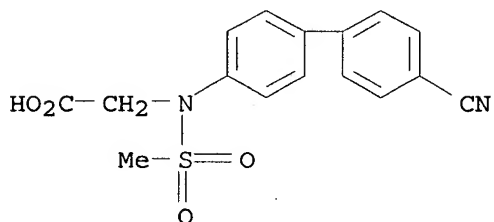
L7 ANSWER 14 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-25-6 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(methylsulfonyl)-N-[4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]-
(9CI) (CA INDEX NAME)
MF C16 H14 F3 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

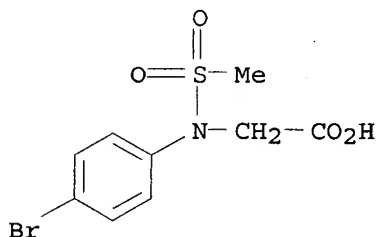
L7 ANSWER 15 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 808748-23-4 REGISTRY
ED Entered STN: 06 Jan 2005
CN Glycine, N-(4'-cyano[1,1'-biphenyl]-4-yl)-N-(methylsulfonyl)- (9CI) (CA
INDEX NAME)
MF C16 H14 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 16 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 425423-24-1 REGISTRY
ED Entered STN: 04 Jun 2002
CN Glycine, N-(4-bromophenyl)-N-(methanesulfonyl)- (9CI) (CA INDEX NAME)
MF C9 H10 Br N O4 S
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

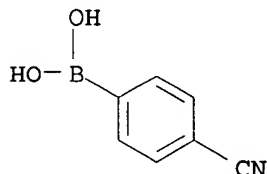
L7 ANSWER 17 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 141907-41-7 REGISTRY
ED Entered STN: 19 Jun 1992
CN Proteinase, matrix metallo- (CA INDEX NAME)
OTHER NAMES:
CN Matrix metalloendoproteinase
CN Matrix metalloprotease
CN Matrix metalloprotease HIPHUM35
CN Matrix metalloproteinase
CN Matrix-degrading metalloproteinase
CN Matrixin
MF Unspecified
CI MAN
SR CA
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CIN, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4207 REFERENCES IN FILE CA (1907 TO DATE)
22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4235 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 18 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 126747-14-6 REGISTRY
ED Entered STN: 27 Apr 1990
CN Boronic acid, B-(4-cyanophenyl)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Boronic acid, (4-cyanophenyl)- (9CI)
OTHER NAMES:
CN (p-Cyanophenyl)boronic acid
CN 4-Cyanobenzeneboronic acid
CN 4-Cyanophenylboric acid
CN 4-Cyanophenylboronic acid
MF C7 H6 B N O2
SR CA
LC STN Files: ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CSChem, GMELIN*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

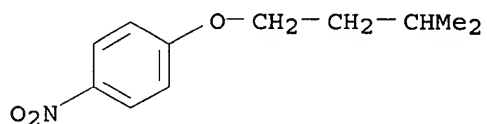


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

444 REFERENCES IN FILE CA (1907 TO DATE)
447 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 19 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 7244-79-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 1-(3-methylbutoxy)-4-nitro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ether, isopentyl p-nitrophenyl (7CI, 8CI)
OTHER NAMES:
CN p-(Isoamyloxy)nitrobenzene
MF C11 H15 N O3
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, PS, USPATFULL
(*File contains numerically searchable property data)

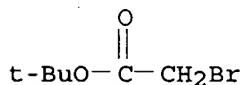


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 20 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 5292-43-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Acetic acid, bromo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid, bromo-, tert-butyl ester (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,1-Dimethylethyl 2-bromoacetate
CN 1,1-Dimethylethyl bromoacetate
CN 1,1-Dimethylethyl monobromoacetate
CN Bromoacetic acid 1,1-dimethylethyl ester
CN Bromoacetic acid tert-butyl ester
CN NSC 82470
CN tert-Butyl α -bromoacetate
CN tert-Butyl 2-bromoacetate
CN tert-Butyl bromoacetate
MF C6 H11 Br O2
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB,
MSDS-OHS, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



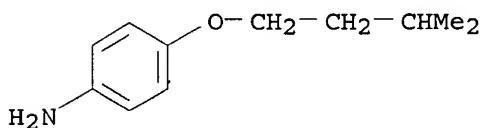
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3435 REFERENCES IN FILE CA (1907 TO DATE)
64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3447 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 21 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 5198-05-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenamine, 4-(3-methylbutoxy)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Aniline, p-(isopentyloxy)- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 4-Isoamyloxyaniline
CN 4-Isopentyloxyaniline
CN p-(Isoamyloxy)aniline
MF C11 H17 N O
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, IFICDB,

IFIPAT, IFIUDB, PS, RTECS*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



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24 REFERENCES IN FILE CA (1907 TO DATE)
24 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 22 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN

RN 107-82-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Butane, 1-bromo-3-methyl- (CA INDEX NAME)

OTHER NAMES:

CN 1-Bromo-3-methylbutane

CN 3-Methyl-1-bromobutane

CN 3-Methylbutyl bromide

CN 4-Bromo-2-methylbutane

CN Isoamyl bromide

CN Isobutylmethyl bromide

CN Isopentyl bromide

CN NSC 9240

MF C5 H11 Br

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, DETHERM*, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MRCK*, MSDS-OHS, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

955 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
956 REFERENCES IN FILE CAPLUS (1907 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 23 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN

RN 106-40-1 REGISTRY

ED Entered STN: 16 Nov 1984

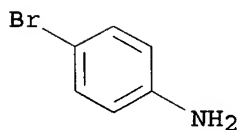
CN Benzenamine, 4-bromo- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline, p-bromo- (8CI)

OTHER NAMES:

CN 1-Amino-4-bromobenzene
CN 4-Bromoaniline
CN 4-Bromobenzenamine
CN 4-Bromophenylamine
CN NSC 7085
CN p-Aminobromobenzene
CN p-Bromoaniline
CN p-Bromophenylamine
MF C6 H6 Br N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5036 REFERENCES IN FILE CA (1907 TO DATE)
61 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5057 REFERENCES IN FILE CAPLUS (1907 TO DATE)
47 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 24 OF 24 REGISTRY COPYRIGHT 2007 ACS on STN
RN 100-02-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Phenol, 4-nitro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, p-nitro- (8CI)
OTHER NAMES:
CN 1-Hydroxy-4-nitrobenzene
CN 4-Hydroxy-1-nitrobenzene
CN 4-Hydroxynitrobenzene
CN 4-Nitrophenol
CN Niphen
CN NSC 1317
CN p-Hydroxynitrobenzene
CN p-Nitrophenol
DR 856824-67-4, 856824-71-0
MF C6 H5 N O3
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HSDB*,

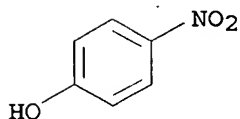
10/561055 MMP Inhibitors - structure Formula Ia and USPGPu

IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



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13997 REFERENCES IN FILE CA (1907 TO DATE)

247 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

14021 REFERENCES IN FILE CAPLUS (1907 TO DATE)

9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

10/561055 MMP Inhibitors - RegistryNo Search

here
4/9/07

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 808748-42-7/rn or 808748-36-9/rn or 808748-34-7/rn or 808748-32-5/rn or 808748-30-3/rn

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1 808748-25-6/RN
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0 808748-24-1/RN

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=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.70

245.09

FILE 'HCAPLUS' ENTERED AT 19:00:09 ON 09 APR 2007

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 9 Apr 2007 VOL 146 ISS 16

FILE LAST UPDATED: 8 Apr 2007 (20070408/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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(FILE 'HOME' ENTERED AT 18:36:02 ON 09 APR 2007)

FILE 'REGISTRY' ENTERED AT 18:36:34 ON 09 APR 2007
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L3 0 S L1 SSS FUL

FILE 'HCAPLUS' ENTERED AT 18:37:33 ON 09 APR 2007
L4 0 S L3
E US20060142385/PN,PRN,AN
L5 1 S E3

FILE 'REGISTRY' ENTERED AT 18:38:31 ON 09 APR 2007

FILE 'HCAPLUS' ENTERED AT 18:38:56 ON 09 APR 2007

FILE 'REGISTRY' ENTERED AT 18:38:56 ON 09 APR 2007

FILE 'HCAPLUS' ENTERED AT 18:41:41 ON 09 APR 2007
E US2006-142385/APPS
E US20060142385/PN,PRN,AN
L6 1 S E3
SEL RN L6

FILE 'REGISTRY' ENTERED AT 18:43:16 ON 09 APR 2007
L7 24 S E1-E24

FILE 'STNGUIDE' ENTERED AT 18:46:28 ON 09 APR 2007

FILE 'REGISTRY' ENTERED AT 18:56:37 ON 09 APR 2007
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L9 4 S 808748-28-9/RN OR 808748-27-8/RN OR 808748-25-6/RN OR 808748-
L10 1 S 425423-24-1/RN

FILE 'HCAPLUS' ENTERED AT 19:00:09 ON 09 APR 2007

=> s 18/p
L11 1 L8/P

=> s 19/p
L12 1 L9/P

=> s 110/p
L13 1 L10/P

=> d 111

L11 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:1154657 HCAPLUS
DN 142:56659
TI Preparation of N-arylglycine derivatives and related compounds as
inhibitors of matrix metalloproteinase
IN Holmes, Ian; Watson, Stephen Paul
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004113279	A1	20041229	WO 2004-EP6553	20040616
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1636174	A1	20060322	EP 2004-740011	20040616
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
	JP 2007506664	T	20070322	JP 2006-515980	20040616
	US 2006142385	A1	20060629	US 2005-561055	20051216
PRAI	GB 2003-14488	A	20030620		
	WO 2004-EP6553	W	20040616		

OS MARPAT 142:56659

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 112

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:1154657 HCAPLUS

DN 142:56659

TI Preparation of N-arylglycine derivatives and related compounds as inhibitors of matrix metalloproteinase

IN Holmes, Ian; Watson, Stephen Paul

PA Glaxo Group Limited, UK

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004113279	A1	20041229	WO 2004-EP6553	20040616
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1636174	A1	20060322	EP 2004-740011	20040616
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
	JP 2007506664	T	20070322	JP 2006-515980	20040616

US 2006142385 A1 20060629 US 2005-561055 20051216
 PRAI GB 2003-14488 A 20030620
 WO 2004-EP6553 W 20040616
 OS MARPAT 142:56659
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 113

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:1154657 HCAPLUS
 DN 142:56659
 TI Preparation of N-arylglycine derivatives and related compounds as
 inhibitors of matrix metalloproteinase
 IN Holmes, Ian; Watson, Stephen Paul
 PA Glaxo Group Limited, UK
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113279	A1	20041229	WO 2004-EP6553	20040616
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1636174	A1	20060322	EP 2004-740011	20040616
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
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RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD				
ALL CITATIONS AVAILABLE IN THE RE FORMAT				